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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/672,252	09/28/2000	HELMUT JANSEN	21534	6934
535	7590 09/17/2002			
THE FIRM OF KARL F ROSS 5676 RIVERDALE AVENUE PO BOX 900			EXAMINER	
			MANOHARAN, VIRGINIA	
RIVERDALE	BRONX), NY 10471-0900	0	ART UNIT	PAPER NUMBER
			1764	
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Please find below and/or attached an Office communication concerning this application or proceeding.

Application No.   98/672,252			(je				
Examiner   Virginia Manoharan   1764   1764   1764   1764   1764   1764   1764   1764   1764   1765   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766   1766		Application No.	Applicant(s)				
Virginia Mancharan   1764   Virginia Mancharan   1765		09/672,252	JANSEN ET AL.				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE £ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Editableson citin may be available under the provision of 3 CFR 1.18(g). In no event, however, may a reply be timely filled of the SX (6) MONTHS from the mailing date of this communication.  I HIX Depended for reply is specified under the provision of 3 CFR 1.18(g). In no event, however, may a reply be timely filled of the SX (6) MONTHS from the mailing date of this communication.  I HIX Depended for reply is specified under the history and will be placifiation to become ABANDONED (50 U.S. C, § 133).  Any tryp's rocked by the Afficial part that history and will apply and will depend the mailing date of this communication.  Failure to reply within the set of extended period for reply will. by statute, cause the application to become ABANDONED (50 U.S. C, § 133).  Any tryp's rocked by the Afficial part that history and the fill become the communication, were if the provision of the provision of the second part of the part of the second part of th	Office Action Summary	Examiner	Art Unit				
Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE £ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - after \$32 (6) MONTHS from the mailing date of this communication.  - if the provide reply specified above, the mailten date of this communication.  - if the provide reply specified above, the mailten date of this communication.  - if the provide reply specified above, the mailten date of this communication.  - if the provide reply specified above, the mailten date of this communication.  - if the provide by the office active that the ten combine and the the mailting date of this communication, even if timely filed, may reduce any cannot plant them agricultured by the office active that the three monitors and the three mailting date of this communication, even if timely filed, may reduce any cannot plant them agricultured to the communication of this communication.  - Any sply received by the office active that the ten combine and the three mailting date of this communication, even if timely filed, may reduce any cannot plant them agricultured to the communication of the communication.  - Any sply received by the office active that the ten combine and the three communication of the communication.  - Any sply received by the office active that the communication of the communication of the communication.  - Any sply received by the date of the communication of the communication.  - Any sply received by the communication is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  - Disposition of Claims  - 4) Claim(s) 1-20 is/are pending in the application.  - 4a) Of the above claim(s)							
THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be suitable under the provision of 37 CPR 1.13(e). In no event, however, may a teply be limely filed after SIX (6) MONTHS from the malting date of this communication.  If the period for raply specified above is less than thirty (6) days, a rise standary minimum of thirty (30) days, will be considered timely.  Fallurs to raply within the set or extended period for raply will be standary minimum of thirty (30) days. If the period to raply will the standary minimum of thirty (30) days. If the period to raply will the standary minimum of the thirty of the standary minimum of the thirty of the standary minimum of the thirty of the standary minimum of the stan							
2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-20 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) is/are elected.  7) Claim(s) is/are objected to.  8) Claim(s) 1-20 are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are and	THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) S Claim(s) 1-20 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) is/are rejected.  7) Claim(s) is/are objected to.  8) Claim(s) 1-20 are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a)    accepted or b)    objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a)    approved b)    disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b)    Some * c)    None of:  1. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 120 and/or 121.	1) Responsive to communication(s) filed on 28	September 2000 .					
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## Restrictions

Restriction to one of the following inventions is required under 35 U.S.C.

121:

- Claims 1-18, drawn to a partition for separation of substances or for chemical reactions classified in class 261, subclass 114.1.
- II. Claims 19-20, drawn to a column for the separation of components of a flowable mixture or for effecting chemical reactions, classified in class 202, subclass 158..

The inventions are distinct, each from the other because of the following reasons: Inventions I I and I are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the column can use a dividing wall or no wall at all. The subcombination has separate utility such as for fractionation of industrial by-products.

Inventions I and II are also unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP §

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806.04, MPEP § 808.01). In the instant case, the different inventions have different modes of operations. For example, group I is directed to use of a partition, whereas group II is directed to use of a column.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification; and the search required for Group I, II is not required for Group III and vice versa, and further have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Applicants are advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Virginia Manoharan whose telephone number is 703-308-3844. The examiner can normally be reached on Tuesday-Friday; 7:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marian Knode can be reached on 703-4311. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 for regular communications and 703-872-9311 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0651.

VM September 13, 2002